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AD.	AA1	5,24	12,932	09/07/1993	Gandy et al.	ļ		12/17/1991	
140	AB1	5,37	73,021	12/13/1994	Marangos	<u> </u>		04/26/1993	
AY	AC1	5,35	7,636	10/25/1994	Dresdner, Jr. et al.			06/30/1992	
410	AD1	5,52	23,295	06/04/1996	Fasman	<u> </u>		07/06/1994	
49	AE1	5,68	88,516	11/18/1997	Raad et al.			10/03/1994	
#9	AF1	5,68	88,651	11/18/1997	Solomon			12/16/1994	
AA	AG1	5,70	05,401	01/06/1998	Masters et al.			09/16/1994	
70	AH1	5,70	7,821	01/13/1998	Rydel et al.			06/07/1995	
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N	AR	1	Assaf, S.Y., during activi	and Chung, S ty," <i>Nature</i>	Н., "Release of endoge: 308:734-736, Nature Publ	nous Zn ishing	^{2•} from brain Co. (1984).	tissue	
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1/2	AT	Atwood, C.S., et al., "Dramatic aggregation of Alzheimer abeta by Cu(II) is induced by conditions representing physiological acidosis," J. Biol. Chem. 273:12817-12826, American Society for Biochemistry and Molecular Biology (May 1998).							
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40	AS	3	Beal, M. F., Underlying Pu	"Energy, Oxi 1221e," <i>Neurc</i>	dative Damage, and Alzh	eimer': 4, Per	s Disease: Cl gamon Press (ues to the	
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k)	AT	12	Coyle, J.T., and Puttfarcken, P., "Oxidative Stress, Glutamate, and Neurodegenerative Disorders," Science 262:689-695, American Association for the Advancement of Science (1993).						
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(4		<u>16</u>	Fraser, P.E., peptides, Bi	Fraser, P.E., et al., "pH-dependent structural transitions of Alzheimer amyloid peptides," Biophys. J. 60:1190-1201, Rockefeller University Press (1991).				
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49	AS	18	Giampaolo, V., M. "Copper and Inflammation," in Inflammatory Diseases and Copper, Sorenson, J.R.J., ed., Clifton, N.J., Humana Press, pp. 329-345 (1982).						
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Hilbich, C., et al., "Substitutions of Hydrophobic Amino Acids Reduce the Amyloidogenicity of Alzheimer's Disease $\beta A4$ Peptides," J. Mol. Biol. 228:460-ΑT 26 473, Academic Press (1992). DATE CONSIDERED EXAMINER

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(1991).

Hilbich, C., et al., "Aggregation and Secondary Structure of Synthetic Amyloid $\beta A4$ Peptides of Alzheimer's Disease," J. Mol. Biol. 218:149-163, Academic Press

ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
APPLICANT Bush et al.	
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AP	AS	<u>27</u>	Huang, X., et al., "Zinc-induced Alzheimer's Aβ1-40 Aggregation Is Mediated by Conformational Factors," J. Biol. Chem. 272:26464-26470, American Society for Biochemistry and Molecular Biology (October 1997).						
Þe	AT	<u>27</u>	Huang, X., et Hydrogen Perc American Chem	xide through	β Peptide of Alzheimer's Metal Ion Reduction," I (June 1999).	Biochem	se Directly istry 38:760	Produces 9-7616,	
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ATTY. DOCKET NO. 0609.4810002/TJS/FRC APPLICATION NO. 10/643,226 APPLICANT Bush et al.

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M	Ida, N., et al., "Analysis of Heterogeneous βA4 Peptides in Human Cerebrospina							" J. Biol.	
ΑĐ	AS	<u>28</u>	Jarrett, J.T., et al., "The Carboxy Terminus of the β Amyloid Protein Is Critical for the Seeding of Amyloid Formation: Implications for the Pathogenesis of Alzheimer's Disease," <i>Biochemistry</i> 32:4693-4697, American Chemical Society (1993).						
Ar	АТ	28	Jarrett, J.T., and Lansbury, Jr., P.T., "Amyloid Fibril Formation Requires a Chemically Discriminating Nucleation Event: Studies of an Amyloidogenic Sequence from the Bacterial Protein OsmB," Biochemistry 31:12345-12352, American Chemical Society (1992).						
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Page 30 of 70

					ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226		
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b €9	AS	<u>30</u>	Kennard, M.L., et al., "Serum levels of the iron binding protein p97 are elevated in Alzheimer's disease," Nat. Med. 2:1230-1235, Nature Publishing Co. (November 1996).						
K	AT	30	Kidani, Y., et al., "Mass spectrometry of 5-chloro-7-iodo-8-quinolinol metal chelates," Jpn. Analyst 23:1375-1378, Nippon Bunseki Kagakkai (1974).						
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A9	AT	31		Developmen	dosis: A Familiar ts," <i>Lab. Inves</i> t.					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Page 32 of 70 ATTY. DOCKET NO. APPLICATION NO. 0609.4810002/TJS/FRC 10/643,226 FORM PTO-1449 APPLICANT Bush et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP August 19, 2003 1614 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE FILING DATE NAME CLASS SUB-CLASS AA AB

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kp	AS	33	Alzheimer Di	Kuo, YM., et al., "Water-soluble Aβ (N-40, N-42) Oligomers in Normal and Alzheimer Disease Brains," J. Biol. Chem. 271:4077-4081, American Society of Biochemistry and Molecular Biology (February 1996).						
An	AT	33	Small Sample	Landers, J.W., and Zak, B., "Determination of Serum Copper and Iron in a Single Small Sample," Am. J. Clin. Pathol. 29:590-592, American Society of Clinical Pathologists (1958).						
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AP	AS	34	mutual inter	Linert, W., et al., "Dopamine, 6-hydroxydopamine, iron, and dioxygen-their mutual interaction and possible implication in the development of Parkinson's disease," Biochim. Biophys. Acta 1316:160-168, Elsevier Publishing Co. (August 1996).					
150	AT	34	direct beta-	amyloid25-35 p	"Inhibitors of free peptide-mediated neuron Res. 39:494-505, Wi	otoxicity	in rat hippo	campal	
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Aŋ	AS	<u>36</u>	Disease," Ch	Markesbery, W.R., and Ehmann, W.D., "Brain Trace Elements in Alzheimer Disease," Chapter 22 in Alzheimer Disease, Terry, R.D. et al., eds., Raven Press, Ltd., New York (1994).					
W	AT	36	Markesbery, W.R., "Oxidative Stress Hypothesis in Alzheimer's Disease," Free Rad. Biol. Med. 23:134-147, Elsevier Science (1997).						
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A-9	AS	Masters, C.L., et al., "Amyloid plaque core protein in Alzheimer disease and Down syndrome," Proc. Natl. Acad. Sci. USA 82:4245-4249, National Academy of Sciences (1985).								
A-9	АТ	<u>37</u>	tangles of A plaque cores	Masters, C.L., et al., "Neuronal origin of a cerebral amyloid: neurofibrillary tangles of Alzheimer's disease contain the same protein as the amyloid of plaque cores and blood vessels," EMBO J. 4:2757-2763, European Molecular Biology Organization (1985).						
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64	AS	38	implications	AcGeer, P.L., and McGeer, E.G., "The inflammatory response system of brain: implications for therapy of Alzheimer and other neurodegenerative diseases," Brain Res. Rev. 21:195-218, Elsevier Science B.V. (1995).					
6 9	АТ	38	Mecocci, P., dependent In (1993).	ecocci, P., et al., "Oxidative Damage to Mitochondrial DNA Shows Marked Age- ependent Increases in Human Brain," Ann. Neurol. 34:609-616, Wiley-Liss 1993).					
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AP	AS	39	Michikawa, M Neuron Cultu	Michikawa, M., et al., "Oxygen Radical-Induced Neurotoxicity in Spinal Cord Neuron Cultures," J. Neurosci. Res. 37:62-70, Wiley Interscience (1994).							
AO	AT	<u>39</u>	Milanino, R., et al., "Copper and the Inflammatory Process," Advances in Inflammation Research 1:281-291, Raven Press (1979).								
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Â	AS	40	Mok, S.S., et al., "A Novel Metalloprotease in Rat Brain Cleaves the Amyloid Precursor Protein of Alzheimer's Disease Generating Amyloidogenic Fragments," Biochemistry 36:156-163, American Chemical Society (January 1997).							
14 9	AT	40	Kang, J., et al., "The precursor of Alzheimer's disease amyloid A4 protein resembles a cell-surface receptor," Nature 325:733-736, Nature Publishing Co. (1987).							
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p)	AS	42	Nunomura, A., et al., "RNA Oxidation Is a Prominent Feature of Vulnerable Neurons in Alzheimer's Disease," <i>J. Neurosci. 19</i> :1959-1964, Society for Neuroscience (March 1999).							
0جنا	АТ	42	Okada, H., et al., "Effects of Metal-Containing Drugs Taken Simultaneously with Clioquinol Upon Clinical Features of SMON," J. Toxicol. Sci. 9:327-341, Doku Say o Kenky ukai (1984).							
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A	AS	43	Padmanabhan, G., et al., "Clioquinol," in Analytical Profiles of Drug Substances, Volume 18, Florey, K., ed., Academic Press, Inc., San Diego, CA, pp. 57-90 (1989).						
KN	АТ	43	Pepys, M.B., and Baltz, M.L., "Acute Phase Proteins with Special Reference to C-Reactive Protein and Related Proteins (Pentaxins) and Serum Amyloid A Protein," in Advances in Immunology, Vol. 34, pp.141-212, Academic Press (1983).						
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AD	AS	44	Peters, G., and Rodgers, M.A.J., "Single-Electron Transfer from NADH Analogues to Singlet Oxygen," Biochim. Biophys. Acta 637:43-52, Elsevier (1981).							
ρņ	AT	44	Pierce, J.E.S., et al., "Immunohistochemical Characterization of Alterations in the Distribution of Amyloid Precursor Proteins and β -Amyloid Peptide after Experimental Brain Injury in the Rat," J. Neurosci. 16:1083-1090, Society for Neuroscience (February 1996).							
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μo	AS	45	Raby, C.A., Cerebrospina 1998).	Raby, C.A., et al., "Traumatic Brain Injury Increases β-Amyloid Peptide 1-42 in Cerebrospinal Fluid," <i>J. Neurochem</i> . 71:2505-2509, Blackwell Science (December 1998).					
HO.	AT	<u>45</u>	Richardson, J.S., et al., "On the Possible Role of Iron-Induced Free Radical Peroxidation in Neural Degeneration in Alzheimer's Disease," Ann. N.Y. Acad. Sci. 648:326-327, New York Academy of Sciences (1992).						

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A 0	AT	46	Rogers, J., et al., "Clinical trial of indomethacin in Alzheimer's disease," Neurology 43:1609-1611, Lippincott, Williams & Wilkins (1993).							
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(L 0	AS	47	Rosen, D., et al., "Mutations in Cu/Zn superoxide dismutase gene are associated with familial amyotrophic lateral sclerosis," Nature 362:59-62, Nature Publishing Co. (1993).						
M)	AT	47	Rumble, B., et al., "Amyloid A4 Protein and Its Precursor in Down's Syndrome and Alzheimer's Disease," New Eng. J. Med. 320:1446-1452, Massachusetts Medical Society (1989).						
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AO	AS	48	Sano, M., et al., "A Controlled Trial of Selegiline, Alpha-Tocopherol, or Both as Treatment for Alzheimer's Disease," N. Engl. J. Med. 336:1216-1222, Massachusetts Medical Society (April 1997).							
AD	АТ	<u>48</u>	Determining	Sayre, L.M., "Alzheimer's Precursor Protein and the Use of Bathocuproine for Determining Reduction of Copper(II)," Science 274:1933-1934, American Association for the Advancement of Science (December 1996).						
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An .f	AT	Schubert, D., and Chevion, M., "The Role of Iron in Beta Amyloid Toxicity," Biochem. Biophys. Res. Commun. 216:702-707, Academic Press (1995).							
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, 'A3	AS	50		Seubert, P., et al., "Isolation and quantification of soluble Alzheimer's β-peptide from biological fluids," <i>Nature 359</i> :325-327, Nature Publishing Co. (1992).				
AD	AT	<u>50</u>	Shiraki, H., "Neuropathological aspects of the etiopathogenesis of subacute myelo-optico-neuropathy (SMON)," in Handbook of Clinical Neurology. Intoxications of the Nervous System Part II, Vinken, P.J., and Bruyn, G.W., eds., North-Holland Publishing Company, Amsterdam, Holland, pp.141-198 (1979).					
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AO	AT	<u>51</u>		Sisodia, S.S., et al., "Cellular and molecular biology of Alzheimer's disease and animal models," <i>Neurodegenerative Diseases</i> 5:59-68, Karger (1995).				
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4)	AT	Smith, M.A., et al., "Iron accumulation in Alzheimer disease is a source of redox-generated free radicals," Proc. Natl. Acad. Sci. USA 94:9866-9868, National Academy of Sciences (September 1997).							
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A9	AT	<u>54</u>	Soto, C., et Peptide," J.	Soto, C., et al., "Structural Determinants of the Alzheimer's Amyloid β-Peptide," J. Neurochem. 63:1191-1198, Blackwell Science (1994).				oid β-
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AV.	AT	<u>58</u>	Tateishi, J., et al., "Neurotoxicity of Clioquinol in Laboratory Animals," Lancet 2:1095, Lancet Press (1972).							
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M	AS 61 Tomski, S.J., and Murphy, R.M., "Kinetics of Aggregation of Synthetic β-Amyloid Peptide," Arch. Biochem. Biophys. 294:630-638, Academic Press (1992).							
CA	AT	<u>61</u>	Treuhaft, P.S., and McCarty, D.J., "Synovial Fluid pH, lactate, Oxygen and Carbon Dioxide Partial Pressure in Various Joint Diseases," Arth. Rheum. 14:475-484, EBM Erdmann-Brenger (1971).					
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FORM PTO-1449

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INFORMATION DISCLOSURE STATEMENT

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No	AS	<u>63</u>	Wolozin, B., et al., "Participation of presentlin 2 in Apoptosis: Enhanced Basal Activity Conferred by an Alzheimer Mutation," Science 274:1710-1713, American Association for the Advancement of Science (December 1996).							
AD.	АТ	<u>63</u>	Wood, S.J., et al., "Physical, Morphological and Functional Differences between pH 5.8 and 7.4 Aggregates of the Alzheimer's Amyloid Peptide Aβ," J. Mol. Biol. 256:870-877, Academic Press (March 1996).							
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A 9	AS	Yates, C.M., et al., "Enzyme Activities in Relation to pH and Lactate in Postmortem Brain in Alzheimer-Type and Other Dementias," J. Neurochem. 55:1624-1630, Blackwell Science (1990).									
je.D	Yim, M.B., et al., "A gain-of-function of an amyotrophic lateral sclerosis-associated Cu,Zn-superoxide dismutase mutant: An enhancement of free radical formation due to a decrease in K _m for hydrogen peroxide," Proc. Natl. Acad. Sci. USA 93:5709-5714, National Academy of Sciences (June 1996).										
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ATTY. DOCKET NO.
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AD	АТ	<u>65</u>	McKeon-O'Mally, C., et al., "Potential Therapeutic Targets for Alzheimer's Disease," Emerging Therapeutic Targets 2:157-179, Ashley Publications Ltd. (February 1998).						
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AÐ	AS	Gutierrez-Correa, J. and A.O.M. Stoppani, "Inactivation of heart dihydrolipoamide dehydrogenase by copper Fenton systems. Effect of thiol compounds and metal chelators," Free Rad. Res. 22(3): 239-250, Harwood Academic Publishers GmbH (1995).						
An	AT	<u>66</u>	Lodemann, E., "D-penacillamine. From constituent of penicillin to significant drug," Naturwissenschaften 66(9): 462-466, Springer-Verlag (1979).					
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Ab)	AS	<u>67</u>	Cardelli, M.B., et al., "Chelation Therapy: Unproved Modality in the Treatment of Alzheimer-Type Dementia," J. Am. Geriatr. Soc. 33:548-551, American Geriatric Society (1985).					
A)	AT	<u>67</u>	Ishii, T., and Bannai, S., "The Synergistic Action of the Copper Chelator Bathocuproine Sulphonate and Cysteine in Enhancing Growth of L1210 Cells In Vitro," J. Cell. Physiol. 125:151-155, Alan R. Liss, Inc. (1985).					
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40	AS	<u>68</u>	Chemicals, D	erck & Co., Inc., "Trientine," Entry 9579, The Merck Index: An Encyclopedia of hemicals, Drugs, and Biologicals, 11 th Edition, Budavari, S., et al., eds., erck & Co., Inc., Rahway, NJ, p. 1521 (1989).					
A)	АТ	<u>68</u>	Reduce Chela	Tan Reyk, D.M., and Dean, R.T., "The Iron-selective Chelator Desferal Can Reduce Chelated Copper," Free Rad. Res. 24:55-60, Harwood Academic Publishers ambH (January 1996).					
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AD	AT	Walter, M.F., et al., "Alzheimer's Disease Amyloid β Peptide 25-35 Inhibits Lipid Peroxidation as a Result of Its Membrane Interactions," Biochem. Biophys. Res. Commun. 233:760-764, Academic Press (April 1997).						
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M	AS	<u>70</u>	Rösler, M., et al., "Free radicals in Alzheimer's dementia: currently available therapeutic strategies," <i>J. Neural Transm.</i> [Suppl.] 54:211-219, Springer-Verlag (1998).					
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